



## ***Site Topography***

### Required:

- 3.5 acre plot size minimum (10 acre maximum depending on land cost)
- Minimal grade change throughout site
- Vacant lot – no demolition or debris removal
- No swamp or wetlands within 200 ft (or local requirement whichever is less)
- Not within 200' (or local requirement whichever is less) of a river or body of water

### Beneficial:

- 5 Acre plot size (to store rocks/debris during construction) if needed and land cost is inexpensive
- Few trees or vegetation (to reduce construction costs)

## ***Location***

### Required:

- Space for at least two potential curb cuts
- Roads able to support trucks (in NH Class 1-5) with no seasonal weight limits
- No immediate residential neighbors or community buildings
- Within 30 miles of a concrete plant/quarry
- Within 30 miles of a hotel and restaurant

### Beneficial:

- Within 50 miles of an airport
- Near power plant or industrial facility that would take our preheated water or variable energy supply

## ***Available Utilities***

Required: Telephone connection

### Beneficial:

- Public Storm drain
- Public Sanitary connection
- Public Water connection

## ***Electrical***

### Required:

Option 1: Near the end of a 115-135kV transmission and adjacent to the transmission right-of-way. (No need for to obtain an easement to access the transmission line).

Option 2: Adjacent to, or within 1/8 to 1/4 mile of a utility or privately owned substation or a secondary line to a substation

- From 115 kV – 135kV primary side and between 13.8 kV - 34.5 kV secondary side
- A spare 20 MVA transformer & switch gear



## ***Geotechnical***

### Required:

- Not located in a flood plain
- No ledge or bedrock
- The soil/ground to be well drained and structurally sound material.
- Firm compact (undisturbed) soil – site was not filled with debris and covered over
- Ground water should be at 12' or deeper throughout the site

*NOTE:* Specify if the site allows for geothermal ground water cooling (wells to 1500')

### Beneficial:

- No large boulders
- Not in a brownfield site (due to the depth we need to dig)
- Not located over a geothermal heating zone

## ***Municipal***

### Required:

- No threatened, endangered, candidate species or critical habitats
- No State Forest, National Park, Forest Conservation Areas, or other recreational ecological, scenic or areas of aesthetic importance.
- No property in the area should be of historic, archaeological or architectural significance.
- There should be no Native American concerns

Beneficial: Not adjacent to a hiking trail

## ***Zoning***

Required: Industrial/Light Manufacturing or equivalent\*\*

- Allow for construction of facility without requiring rezoning, variances, etc.
- In some situations, actually only require administrative review by municipality

\*\* It is our understanding some local codes are only zoned for commercial